

## Author index

Abiko, Y., see Shibata, Y. (1971) 121

Afroun, S., Tenu, J.-P. and Lemaire, G.  
Modifications of glycosylation patterns in macrophages upon activation (1971) 137

Alberghina, L., see Zippel, R. (1971) 351

Andersson, T., see Ng, J. (1971) 207

Ansell, G.B., see Boam, D.S.W. (1971) 215

Atwell, M.M. and Hanson, F.J.  
Effect of pertussis toxin on the inhibition of secretory activity by prostaglandin E<sub>2</sub>, somatostatin, epidermal growth factor and 12-O-tetradecanoylphorbol 13-acetate in parietal cells from rat stomach (1971) 282

Baldwin, S.A., see Brown, S.J. (1971) 339

Baron, B.M. and Limbird, L.E.  
Human platelet phospholipase A<sub>2</sub> activity is responsive in vitro to pH and Ca<sup>2+</sup> variations which parallel those occurring after platelet activation in vivo (1971) 103

Behl, B., Sommermeyer, H., Goppelt-Strübe, M. and Resch, K.  
Phospholipase C in rabbit thymocytes: subcellular distribution and influences of calcium and GTPγS on the substrate dependence of cytosolic and plasma membrane-associated phospholipase C (1971) 179

Belay, N., Sparling, R., Choi, B.-S., Roberts, M., Roberts, J.E. and Daniels, L.  
Physiological and <sup>15</sup>N-NMR analysis of molecular nitrogen fixation by *Methanococcus thermolithothrophicus*, *Methanobacterium bryantii* and *Methanospirillum hungatei* (1971) 233

Boam, D.S.W., Spanner, S.G., Ansell, G.B. and Stanworth, D.R.  
Synergistic enhancement of histamine release from rat peritoneal mast cells by the phorbol ester 12-O-tetradecanoylphorbol 13-acetate is not reflected by corresponding changes in phospholipid turnover (1971) 215

Borin, G., see Marchiori, F. (1971) 332

Brindle, K.M., see Wolfe, C.L. (1971) 9

Brown, S.J., Gould, G.W., Davies, A., Baldwin, S.A., Lienhard, G.E. and Gibbs, E.M.  
Characterization of vesicles containing insulin-responsive intracellular glucose transporters isolated from 3T3-L1 adipocytes by an improved procedure (1971) 339

Calderan, A., see Marchiori, F. (1971) 332

Cantrill, R.C., see Heithier, H. (1971) 298

Cantrill, R.C., see Ward, L.D. (1971) 307

Carrascosa, J.M., Schleicher, E., Maier, R., Hackenberg, C. and Wieland, O.H.  
Separation of the protein-tyrosine kinase and phosphatidylinositol kinase activities of the human placental insulin receptor (1971) 170

Case, R.M., see Seo, Y. (1971) 289

Chen, K.Y. and Dou, Q.-P.  
Isolation and characterization of an 18 kDa hypusine-containing protein from cultured NB-15 mouse neuroblastoma cells (1971) 21

Chiba, P., Wallner, C. and Kaiser, E.  
S-Adenosylmethionine metabolism in HL-60 cells: effect of cell cycle and differentiation (1971) 38

Chisholm, A.A.K. and Cohen, P.  
The myosin-bound form of protein phosphatase 1 (PP-1<sub>M</sub>) is the enzyme that dephosphorylates native myosin in skeletal and cardiac muscles (1971) 163

Choi, B.-S., see Belay, N. (1971) 233

Christiansen, N.O., Larsen, C.S. and Esmann, V.  
A study on the role of protein kinase C and intracellular calcium in the activation of superoxide generation (1971) 317

Cohen, P., see Chisholm, A.A.K. (1971) 163

Comoglio, P.M., see Zippel, R. (1971) 351

Cottell, B., see Palmblad, J. (1971) 92

Crerar, M.M., David, E.S. and Storey, K.B.  
Electrophoretic analysis of liver glycogen phosphorylase activation in the freeze-tolerant wood frog (1971) 72

Daniels, L., see Belay, N. (1971) 233

David, E.S., see Crerar, M.M. (1971) 72

Davies, A., see Brown, S.J. (1971) 339

DeLoach, J.R., see Holt, P.S. (1971) 1

Derkens, J.T.P., Morselt, H.W.M. and Scherphof, G.L.  
Uptake and processing of immunoglobulin-coated liposomes by subpopulations of rat liver macrophages (1971) 127

Dou, Q.-P., see Chen, K.Y. (1971) 21

Drake, A.F., see Wawrzynczak, E.J. (1971) 55

Eisuke, , see Miyahara, M. (1971) 46

Esmann, V., see Christiansen, N.O. (1971) 317

Evans, C.H., see Sung, K. (1971) 148

Forchhammer, J., see Karllund, J.K. (1971) 112

Fredholm, B.B., see Ng, J. (1971) 207

Freeman, B., see Heithier, H. (1971) 298

Fujiki, H., see Ohuchi, K. (1971) 85

Garlick, P.J., see Preedy, V.R. (1971) 275

Gentile, F., Raptis, A., Knippling, L.G. and Wolff, J.  
Extracellular cAMP formation from host cell ATP by *Bordetella pertussis* adenylate cyclase (1971) 63

Georgescu, H.I., see Sung, K. (1971) 148

Gibbs, E.M., see Brown, S.J. (1971) 339

Gilbert, H.F., see Wolfe, C.L. (1971) 9

Goppelt-Strübe, M., see Behl, B. (1971) 179

Gould, G.W., see Brown, S.J. (1971) 339

Grunewald, R.W., see Jans, A.W.H. (971) 157  
 Gyllenhammar, H., see Palmblad, J. (971) 92

Hackenberg, C., see Carrascosa, J.M. (971) 170  
 Hanson, P.J., see Atwell, M.M. (971) 282  
 Heithier, H., Ward, L.D., Cantrill, R.C., Klein, H.W., Im, M.-J., Pollak, G., Freeman, B., Schiltz, E., Peters, R. and Helmreich, E.J.M.  
 Fluorescent glucagon derivatives. I. Synthesis and characterisation of fluorescent glucagon derivatives (971) 298  
 Heithier, H., see Ward, L.D. (971) 307  
 Helmreich, E.J.M., see Heithier, H. (971) 298  
 Helmreich, E.J.M., see Ward, L.D. (971) 307  
 Hirasawa, N., see Ohuchi, K. (971) 85  
 Holt, P.S. and DeLoach, J.R.  
 Cellular effects of T-2 mycotoxin on two different cell lines (971) 1

Im, M.-J., see Heithier, H. (971) 298

Jans, A.W.H., Grunewald, R.W. and Kinne, R.K.H.  
 Pathways for organic osmolyte synthesis in rabbit renal papillary tissue, a metabolic study using  $^{13}\text{C}$ -labeled substrates (971) 157  
 Jondal, M., see Ng, J. (971) 207

Kaiser, E., see Chiba, P. (971) 38  
 Kinne, R.K.H., see Jans, A.W.H. (971) 157  
 Kinoshita, M., see Matsuoka, H. (971) 255  
 Karllund, J.K., Latini, S. and Forchhammer, J.  
 Numerous proteins phosphorylated on tyrosine and enhanced tyrosine kinase activities in vanadate-treated NIH 3T3 fibroblasts (971) 112  
 Klein, H.W., see Heithier, H. (971) 298  
 Knippling, L.G., see Gentile, F. (971) 63  
 Kramer, I.J.M., Van der Bend, R.L., Verhoeven, A.J. and Roos, D.  
 The 47-kDa protein involved in the NADPH:O<sub>2</sub> oxidoreductase activity of human neutrophils is phosphorylated by cyclic AMP-dependent protein kinase without induction of a respiratory burst (971) 189  
 Kusel, M., see McKie, A.T. (971) 325

Larsen, C.S., see Christiansen, N.O. (971) 317  
 Latini, S., see Karllund, J.K. (971) 112  
 Lemaire, G., see Afroun, S. (971) 137  
 Lienhard, G.E., see Brown, S.J. (971) 339  
 Limbird, L.E., see Baron, B.M. (971) 103  
 Lucas, M.L., see McKie, A.T. (971) 325

Mackenzie, I.S., see Seo, Y. (971) 289  
 Maier, R., see Carrascosa, J.M. (971) 170  
 Malaisse, W.J. and Sener, A.  
 Hexose metabolism in pancreatic islets. Feedback control of D-glucose oxidation by functional events (971) 246  
 Marchiori, F., Meggio, F., Marin, O., Borin, G., Calderan, A., Ruzza, P. and Pinna, L.A.  
 Synthetic peptide substrates for casein kinase 2. Assessment of minimum structural requirements for phosphorylation (971) 332

Marin, O., see Marchiori, F. (971) 332  
 Matsumoto, S., see Matsuoka, H. (971) 255  
 Matsuoka, H., Matsumoto, S., Kinoshita, M. and Yamada, S.  
 Effective stage in the cell cycle for control of the budding direction of cdc mutants of *Saccharomyces cerevisiae* using electric stimulus (971) 255  
 Mbonyi, K. and Thevelein, J.M.  
 The high-affinity glucose uptake system is not required for induction of the RAS-mediated cAMP signal by glucose in cells of the yeast *Saccharomyces cerevisiae* (971) 223  
 McEwan, G.T.A., see McKie, A.T. (971) 325  
 McKie, A.T., Kusel, M., McEwan, G.T.A. and Lucas, M.L.  
 The effect of heat-stable *Escherichia coli* enterotoxin, theophylline and forskolin on cyclic nucleotide levels and mucosal surface (acid microclimate) pH in rat proximal jejunum *in vivo* (971) 325  
 Meggio, F. and Pinna, L.A.  
 Phosphorylation of phosvitin by casein kinase-2 provides the evidence that phosphoserines can replace carboxylic amino acids as specificity determinants (971) 227  
 Meggio, F., see Marchiori, F. (971) 332  
 Mendelow, D., see Sung, K. (971) 148  
 Mithieux, G. and Rousset, B.  
 Regulation of the microtubule-lysosome interaction: activation by Mg<sup>2+</sup> and inhibition by ATP (971) 29  
 Miyahara, M., Okimasu, E., Uchida, H., Eisuke, , Sato, F., Yamamoto, M. and Utsumi, K.  
 Charge-dependent regulation of NADPH oxidase activities in intact and subcellular systems of polymorphonuclear leukocytes (971) 46  
 Morello, L., see Zippel, R. (971) 351  
 Morselt, H.W.M., see Derkzen, J.T.P. (971) 127

Ng, J., Fredholm, B.B., Jondal, M. and Andersson, T.  
 Regulation of receptor-mediated calcium influx across the plasma membrane in a human leukemic T-cell line: evidence of its dependence on an initial calcium mobilization from intracellular stores (971) 207  
 Nilsson, E., see Palmblad, J. (971) 92

Odell, E.W. and Segal, A.W.  
 The bactericidal effects of the respiratory burst and the myeloperoxidase system isolated in neutrophil cytoplasts (971) 266  
 Ohuchi, K., Watanabe, M., Hirasawa, N., Tsurufuji, S., Ozeki, T. and Fujiki, H.  
 Inhibition by gossypol of tumor promoter-induced arachidonic acid metabolism in rat peritoneal macrophages (971) 85  
 Okimasu, E., see Miyahara, M. (971) 46  
 Ozeki, T., see Ohuchi, K. (971) 85

Palmblad, J., Gyllenhammar, H., Ringertz, B., Nilsson, E. and Cottell, B.  
 Leukotriene B<sub>4</sub> triggers highly characteristic and specific functional responses in neutrophils: studies of stimulus specific mechanisms (971) 92

Peters, R., see Heithier, H. (971) 298  
 Peters, R., see Ward, L.D. (971) 307  
 Pinna, L.A., see Marchiori, F. (971) 332  
 Pinna, L.A., see Meggio, F. (971) 227  
 Pollak, G., see Heithier, H. (971) 298  
 Preedy, V.R. and Garlick, P.J.  
     The effect of rejuvenation of aged erythrocytes on biochemical parameters in the perfused hind limb muscle preparation (971) 275

Radda, G.K., see Wolfe, C.L. (971) 9  
 Raptis, A., see Gentile, F. (971) 63  
 Resch, K., see Behl, B. (971) 179  
 Ringeritz, B., see Palmblad, J. (971) 92  
 Roberts, J.E., see Belay, N. (971) 233  
 Roberts, M., see Belay, N. (971) 233  
 Roos, D., see Kramer, I.J.M. (971) 189  
 Rousset, B., see Mithieux, G. (971) 29  
 Ruzza, P., see Marchiori, F. (971) 332

Salord, J. and Schuber, F.  
     In vitro drug delivery mediated by ecto-NAD<sup>+</sup>-glycohydrolase ligand-targeted liposomes (971) 197

Sato, F., see Miyahara, M. (971) 46  
 Scherphof, G.L., see Derkzen, J.T.P. (971) 127  
 Schiltz, E., see Heithier, H. (971) 298  
 Schleicher, E., see Carrascosa, J.M. (971) 170  
 Schuber, F., see Salord, J. (971) 197  
 Segal, A.W., see Odell, E.W. (971) 266  
 Sener, A., see Malaisse, W.J. (971) 246  
 Seo, Y., Steward, M.C., Mackenzie, I.S. and Case, R.M.  
     Acetylcholine-induced metabolic changes in the perfused rabbit mandibular salivary gland studied by <sup>31</sup>P-NMR spectroscopy (971) 289

Shibata, Y., Abiko, Y. and Takiguchi, H.  
     Phospholipase A<sub>2</sub> in macrophage plasma membrane releases arachidonic acid from phosphatidylinositol (971) 121

Sommermeyer, H., see Behl, B. (971) 179  
 Spanner, S.G., see Boam, D.S.W. (971) 215  
 Sparling, R., see Belay, N. (971) 233  
 Stanworth, D.R., see Boam, D.S.W. (971) 215  
 Steward, M.C., see Seo, Y. (971) 289  
 Storey, K.B., see Crerar, M.M. (971) 72  
 Sturani, E., see Zippel, R. (971) 351  
 Sung, K., Mendelow, D., Georgescu, H.I. and Evans, C.H.  
     Characterisation of chondrocyte activation in response to cytokines synthesised by a synovial cell line (971) 148

Takiguchi, H., see Shibata, Y. (971) 121  
 Tenu, J.-P., see Afroun, S. (971) 137  
 Thevelein, J.M., see Mbonyi, K. (971) 223  
 Thorpe, P.E., see Wawrzynczak, E.J. (971) 55  
 Toschi, L., see Zippel, R. (971) 351  
 Tsurufuji, S., see Ohuchi, K. (971) 85

Uchida, H., see Miyahara, M. (971) 46  
 Utsumi, K., see Miyahara, M. (971) 46

Van der Bend, R.L., see Kramer, I.J.M. (971) 189  
 Verhoeven, A.J., see Kramer, I.J.M. (971) 189  
 Vitetta, E.S., see Wawrzynczak, E.J. (971) 55

Wallner, C., see Chiba, P. (971) 38  
 Ward, L.D., Cantrill, R.C., Heithier, H., Peters, R. and Helmreich, E.J.M.  
     Fluorescent glucagon derivatives. II. The use of fluorescent glucagon derivatives for the study of receptor disposition in membranes (971) 307

Ward, L.D., see Heithier, H. (971) 298  
 Watanabe, M., see Ohuchi, K. (971) 85  
 Watson, G.J., see Wawrzynczak, E.J. (971) 55  
 Wawrzynczak, E.J., Drake, A.F., Watson, G.J., Thorpe, P.E. and Vitetta, E.S.  
     Ricin B chain-containing immunotoxins prepared with heat-denatured B chain lacking galactose-binding ability potentiate the cytotoxicity of a cell-reactive ricin A chain immunotoxin (971) 55

Wieland, O.H., see Carrascosa, J.M. (971) 170  
 Wolfe, C.L., Gilbert, H.F., Brindle, K.M. and Radda, G.K.  
     Determination of buffering capacity of rat myocardium during ischemia (971) 9

Wolff, J., see Gentile, F. (971) 63

Yamada, S., see Matsuoka, H. (971) 255  
 Yamamoto, M., see Miyahara, M. (971) 46

Zippel, R., Morello, L., Toschi, L., Alberghina, L., Comoglio, P.M. and Sturani, E.  
     Effect of the growth conditions on the expression of cell-surface-associated platelet-derived growth factor receptors in mouse fibroblasts (971) 351